Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	13 October 2022
Team ID	PNT2022TMID28181
Project Name	Project - Estimate the Crop Yield using Data Analytics
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through Whatsapp Registration through Agri-Consultancy
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Confirmation via Letter
FR-3	User Profile	User Details Farm Details
FR-4	Required Data	The past crop yield data the user(Farmer) data to analyse
FR-5	Analysis	Clean and analyse the data according to the set of past data of the multiple users(Farmer)
FR-6	Estimation	Creating the perfect data module, visuals using IBM Cognos to increase the estimation of the crop yield

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	According to the past data itself, data report is created.By these recommendation the sowing of crops will be advised or consulted
NFR-2	**Security**	IBM Cognos have a secure user information(Data Visuals)
NFR-3	**Reliability**	The interactive data visuals dashboard can make easily understandable of the data report
NFR-4	**Performance**	Interaction makes better performance between all user and impressing by the visual advise
NFR-5	**Availability**	The dashboard could be easily viewed and available in every smartphones, laptops, systems etc..
NFR-6	**Scalability**	The flexibility of the methodology to implement the proposed solution is very easy that can make increase in the estimation of crop yield in the differ farms for different user